



IDEM
Office of Air Management
Rules Guidance

March 3, 1999

**DEVELOPMENT OF AMENDMENTS TO RULES CONCERNING PARTICULATE
MATTER EMISSION LIMITS FOR ILLINOIS CEREAL MILLS, INCORPORATED
IN MARION COUNTY**

**# 98-212 (APCB)
FACT SHEET**

Overview

This rulemaking amends the particulate matter emission limitations for Illinois Cereal Mills, Incorporated, located in Marion County, and changes the state implementation plan.

Citations Affected

Amends 326 IAC 6-1-12

Affected Persons

Illinois Cereal Mills, Incorporated located in Marion County and persons in the vicinity of the facility.

Potential Cost

There is no additional cost to the state due to this rulemaking change. The flexibility to maintain full production in the event of an especially cold winter is a financial benefit to the company.

Description

Illinois Cereal Mills, Incorporated, processes degerminated corn products such as granulated meal, animal feed, corn oil and flour. This facility is subject to limits on its

emissions of particulate matter with an aerodynamic diameter of less than ten (10) microns (PM_{10}). Although Marion County is not currently designated as nonattainment, particulate matter limits are listed in the state implementation plan. Monitoring data for PM_{10} in the county indicates that no violations of the 24 hour or annual national ambient air quality standards have occurred since the monitors were installed in the mid 1980's.

Illinois Cereal Mills, Incorporated, has requested that IDEM revise the particulate emission limits contained in 326 IAC 6-1-12 for the Cleaver Brooks boiler. The company currently operates this boiler with natural gas and is permitted to use #2 fuel oil when the natural gas company informs them that they must cut back on fuel. The requested change from the current long-term standard for this boiler from seven-tenths (0.7) ton per year to one (1.0) ton per year will allow the boiler to operate year round on natural gas and up to 500 hours on #2 fuel oil. The facility is

currently permitted to burn #2 fuel oil and is merely requesting to increase the number of hours per year that they may use that fuel. Use of fuel oil is necessary if the natural gas supply is interrupted during extremely cold weather. The increased limit will allow full capacity for production in the event of an especially cold winter.

A revision for this rule limitation requires air quality modeling to be performed. The modeling is required to document that any revision to the particulate emission limitation included under 326 IAC 6-1-12 does not violate or allow a violation of the national ambient air quality standards (NAAQS). IDEM performed modeling which demonstrated that no exceedance of the national ambient air quality standard would result from the modified PM₁₀ emission changes. Additional monitoring analysis will be conducted.

Consistency with Federal Requirements

The amended rule is consistent with federal laws and rules.

CONSIDERATION OF FACTORS OUTLINED IN INDIANA CODE 13-14-8-4

Indiana Code 13-14-8-4 requires that in adopting rules and establishing standards, the board shall take into account:

- 1) all existing physical conditions and the character of the area affected;
- 2) past, present, and probably future uses of the area, including the character of the uses of surrounding areas
- 3) zoning classifications;
- 4) the nature of the existing air quality or existing water quality as the case may be;
- 5) technical feasibility, including the quality conditions that could reasonably be achieved through coordinated control of all factors affecting the quality; and
- 6) economic reasonableness of measuring or reducing any particular type of pollution.

The board shall also take into account the right of all persons to an environment sufficiently uncontaminated as not to be injurious to human, plant, animal, or aquatic life or to the reasonable enjoyment of life and property.

RECOMMENDATION

It is recommended that the board preliminarily adopt the amended rule as presented.

IDEM Contact

Additional information regarding this rule making action can be obtained from Jean Beauchamp, Rules Development Section, Office of Air Management, (317) 232-8424 or (800) 451-6027 (in Indiana).